

S/N 10/749,901



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Gregory M. Chrysler et al.	Examiner:	Jasmine Clark
Serial No.:	10/749,901	Group Art Unit:	2815
Filed:	December 29, 2003	Docket:	884.A74US1
Title:	INTEGRATED MICRO CHANNELS AND MANIFOLD/PLENUM USING SEPARATE SILICON OR LOW COST POLYCRYSTALLINE SILICON		
Assignee:	Intel Corporation	Customer Number:	21186

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**INFORMATION DISCLOSURE STATEMENT**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(c)(2), Applicants have included the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p). Please charge any additional fees or credit any overpayment to Deposit Account No. 19-0743.

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INFORMATION DISCLOSURE STATEMENT

Customer No.: 21186

Serial No :10/749,901

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Title: INTEGRATED MICRO CHANNELS AND MANIFOLD/PLENUM USING SEPARATE SILICON OR LOW COST POLYCRYSTALLINE SILICON

Assignee: Intel Corporation

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Dkt: 884.A74US1 (INTEL)

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

Respectfully submitted,

GREGORY M. CHRYSLER ET AL.

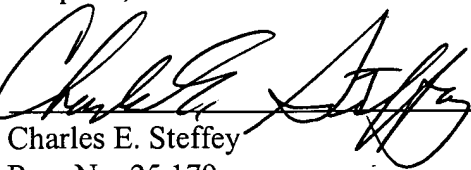
By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
Attorneys for Intel Corporation  
P.O. Box 2938  
Minneapolis, MN 55402

Date

June 29, 2005

By

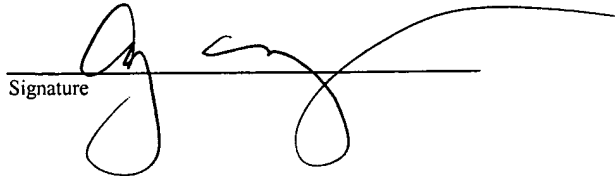
  
Charles E. Steffey  
Reg. No. 25,179

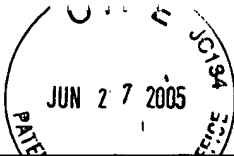
CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 24th day of June, 2005.

Name

Amy Moriarty

Signature





Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449 PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Use as many sheets as necessary)

Complete if Known

Application Number	10/749,901
Filing Date	December 29, 2003
First Named Inventor	Chrysler, Gregory
Group Art Unit	2815
Examiner Name	Clark, Jasmine

Sheet 1 of 1

Attorney Docket No: 884.A74US1

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-4,450,472	05/22/1984	Tuckerman, David , et al.	03/02/1981
	US-5,125,451	06/30/1992	Matthews, James A.	04/02/1991
	US-5,232,047	08/03/1993	Matthews, James A.	01/14/1992
	US-5,263,251	11/23/1993	Matthews, James	01/06/1993

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		TUCKERMAN, D. , "Heat-Transfer Microstructures for Integrated Circuits", <u>Stanford University, pp. 1-141, 1984., (2/1984),1-141</u>	

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached